

**Environmental Protection Agency**

**Pt. 63, Subpt. VVVVVV, Table 2**

**TABLE 1 TO SUBPART VVVVVV OF PART 63—HAZARDOUS AIR POLLUTANTS USED TO DETERMINE APPLICABILITY OF CHEMICAL MANUFACTURING OPERATIONS**

As required in §63.11494(a), chemical manufacturing operations that process, use, or produce the HAP shown in the following table are subject to subpart VVVVVV.

Type of HAP	Chemical name	CAS No.
1. Organic compounds .....	a. 1,3-butadiene .....	106990
	b. 1,3-dichloropropene .....	542756
	c. Acetaldehyde .....	75070
	d. Chloroform .....	67663
	e. Ethylene dichloride .....	107062
	f. Hexachlorobenzene .....	118741
	g. Methylene chloride .....	75092
	h. Quinoline .....	91225
2. Metal compounds .....	a. Arsenic compounds.	
	b. Cadmium compounds.	
	c. Chromium compounds.	
	d. Lead compounds.	
	e. Manganese compounds.	
	f. Nickel compounds.	
3. Others .....	a. Hydrazine .....	302012

**TABLE 2 TO SUBPART VVVVVV OF PART 63—EMISSION LIMITS AND COMPLIANCE REQUIREMENTS FOR BATCH PROCESS VENTS**

As required in §63.11496, you must comply with the requirements for batch process vents as shown in the following table.

For * * *	You must * * *	Except * * *
1. Batch process vents in a CMPU at an existing source for which the total organic HAP emissions are equal to or greater than 10,000 lb/yr.	<p>a. Reduce collective uncontrolled total organic HAP emissions from the sum of all batch process vents by ≥85 percent by weight or to ≤20 ppmv by routing emissions from a sufficient number of the batch process vents through a closed vent system to any combination of control devices (except a flare) in accordance with the requirements of §63.982(c) and the requirements referenced therein; or</p> <p>b. Route emissions from batch process vents containing at least 85 percent of the uncontrolled total organic HAP through a closed-vent system to a flare (except that a flare may not be used to control halogenated vent streams) in accordance with the requirements of §63.982(b) and the requirements referenced therein; or</p> <p>c. Comply with the alternative standard specified in §63.2505 and the requirements referenced therein; or</p> <p>d. Comply with combinations of the requirements in Items a., b., and c. of this Table for different groups of batch process vents.</p>	<p>i. Compliance may be based on either total organic HAP or total organic carbon (TOC); and</p> <p>ii. As specified in §63.11496(g).</p>
2. Batch process vents in a CMPU at a new source for which the total organic HAP emissions are equal to or greater than 10,000 lb/yr.	a. Comply with any of the emission limits in Items 1.a through 1.d of this Table, except 90 percent reduction applies instead of 85 percent reduction in Item 1.a, and 90 percent of the emissions must be routed to a flare instead of 85 percent in Item 1.b.	i. Not applicable.
3. Halogenated batch process vent stream at a new or existing source that is controlled through combustion.	a. Comply with the requirements for halogen scrubbers in §63.11496(d).	<p>i. As specified in §63.11496(e) of this subpart.</p> <p>i. The information specified above for Items a., b., and c., as applicable.</p> <p>i. The information specified above for Items 1.a., 1.b., 1.c., and 1.d, as applicable.</p>